	· · · · · · · · · · · · · · · · · · ·		10v
	Application No.	Applicant(s)	•
Notice of Allowability	10/617,470 Examiner	CHANG ET AL. Art Unit	
	David Nhu	2818	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commu GHTS. This application is s	this application. If not include inication will be mailed in due	ed course. THIS
1. This communication is responsive to 12/20/04.			
2. ☑ The allowed claim(s) is/are <u>1-5 and 12-20</u> .			
3. The drawings filed on 11 July 2003 are accepted by the Ex	aminer.		
 4. Acknowledgment is made of a claim for foreign priority una) a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	been received. been received in Applicatio	n No	tion from the
International Bureau (PCT Rule 17.2(a)).	cuments have been received	in the national stage applied	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the rec	quirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXA es reason(s) why the oath or	AMINER'S AMENDMENT or Note declaration is deficient.	IOTICE OF
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's 	on's Patent Drawing Reviev		
Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the he header according to 37 CF	ne drawings in the front (not the R 1.121(d).	e back) of
7. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATE	ERIAL must be submitted. I	Note the
•	X	aid Da	
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	•	formal Patent Application (PT	O-152)
Notice of Neterences Sited (1 10-002) Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🔲 Interview S	ummary (PTO-413),	,
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0		Mail Date Amendment/Comment	
Paper No./Mail Date 4.	8. 🛛 Examiner's	Statement of Reasons for Allo	owance
of Biological Material	9. 🗌 Other	<u> </u>	
,			

Application/Control Number: 10/617,470 Page 2

Art Unit: 2818

EXAMINER'S AMENDMENT

1. Applicant's election of claims 1-5, 12-20 is acknowledged. Because Applicant did not distinctly and specifically point out the supposed error in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)). Applicant have the right to file a divisional application covering the subject matter of the non-elected claims 6-11.

The traversal is on the ground(s) that see the election paper. This is not found persuasive because the fields of search for method' and device claims are NOT coextensive and the determinations of patentability of method and device claims are different, that is process limitations and device limitations are given weight differently in determining the patentablitity of the claimed inventions. Also, the strategies for doing text searching of the device claims and method claims are different. Thus, separate searches are required.

The requirement is still deemed proper and is therefore made FINAL.

2. An examiner's amendment to the record appears below. Should the change and/or additions be unaceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Cancel claims 6-11.

REASONS FOR ALLOWANCE

3. Claims 1-5, 12-20 are allowed.

4. The following is an examiner's statement of reasons for allowance: None of the references of record teaches or suggests as cited in claims 1, 12: removing a portion of the second oxide

Application/Control Number: 10/617,470

Art Unit: 2818

for Allowance."

layer and the gate layer to form a first opening in the second oxide layer and a second opening in the gate layer, the first and second openings exposing a portion of the first oxide underneath the gate layer, a width of the second opening being bigger than a width of a narrowest region of the first opening in the second oxide layer so that the gate layer is pulled back horizontally underneath the second oxide layer; forming a third oxide layer in the first and second openings, the third oxide layer conforming to a contour thereof; removing a portion of the third oxide layer and the first oxide layer to make a third opening (as cited in claim 1); removing a portion of the shield oxide layer and the floating gate layer to form a first opening in the shield oxide layer and a second opening in the floating gate layer, the first and second openings exposing a portion of the coupling oxide underneath the floating gate layer, a width of the second opening being bigger than a width of a narrowest region of the first opening in the shield oxide layer so that the shield oxide layer shields the floating gate layer and the coupling oxide layer underneath from the damaged; forming a spacer oxide layer in the first and second openings, the spacer oxide layer conforming to a contour thereof; removing a portion of the spacer oxide layer and the coupling oxide layer to make a third opening (as cited in claim 12). 5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons

Page 3

Application/Control Number: 10/617,470

Art Unit: 2818

CONCLUSION

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Wang (6,773,989 B2): Self-Aligned Method of Forming a Semiconductor Memory

Array of Floating Gate Memory Cells with Control gate Protruding Portions.

7. Any inquiry concerning this communication on earlier communications from the examiner

should be directed to David Nhu, (571)272-1792. The examiner can normally be reached

on Monday-Friday from 7:30 AM to 5:00 PM.

The examiner's supervisor, David Nelms can be reached on (571)272-1787.

The fax phone number for the organization where this application or proceeding is assigned is

(703)872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should

be directed to the receptionist whose telephone number is (703) 308-0956

David Nhu

AN

December 21, 2004

DAVID NHU

Page 4